Amendments to the Specification

Please replace page 7, paragraph 30, with the following amended paragraph:

Surprisingly, the use of the signal peptide OmpA (SEQ ID NO:3) alone and/or in combination with the N-terminal amino acids SEGN (SEQ ID NO: 9)/SEGNSD (SEQ ID NO: 10) translocate the recombinant DNA-derived tPA, tPA variant, K2S molecule or K2S variant to the outer surface and facilitates the release of the functional and active molecule into the culture medium to a greater extent than any other method in the prior art. Before crossing the outer membrane, the recombinant DNA-derived protein is correctly folded according to the method of the present invention. The signal peptide is cleaved off to produce a mature molecule. Surprisingly, the efficiency of signal peptide removal is very high and leads to correct folding of the recombinant DNA-derived protein.

Please replace page 13, paragraph 49, with the following amended paragraph:

More preferably, a method according to the invention is also characterized in that the DNA coding for the tPA, tPA variant, K2S molecule or K2S variant is selected from the group of DNA molecules coding for at least 90% of the amino acids 87-527, 174-527, 180-527 or 220-527 of the human tissue plasminogen activator protein (SEQ ID NO:19).

Please insert the substitute sequence listing submitted herewith at the end of the application in place of the previously submitted sequence listing.